07.2—107 Checking, correcting basic adjustment of fuel adjusting screw (national version only)

Testing and adjusting values

Max. CO value by means of fuel adjusting screw

Engine speed: adjusted by means of throttle valve adjusting screw

1000/min

Special tool

Oil telethermometer



116 589 27 21 00

Conventional tools

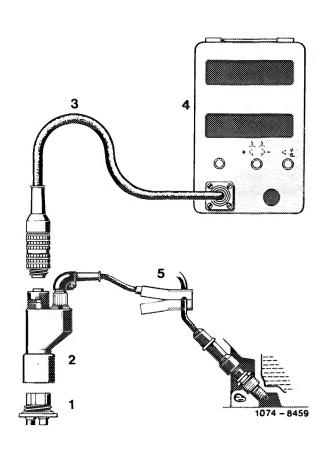
Revolution counter, CO measuring instrument

Note

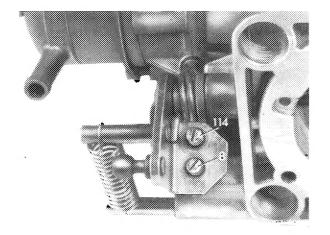
Perform idle speed basic adjustment only if idle speed adjusting values are not attained. Make air injection inoperative for setting to basic adjustment.

Adjusting

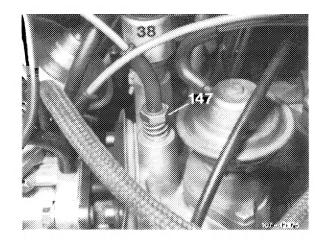
- 1 Connect testers:
- Digital tester or revolution counter
- CO measuring instrument
- Oil telethermometer



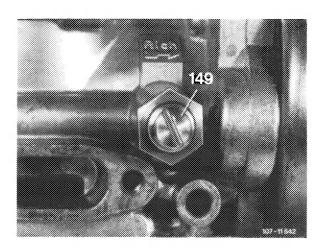
- 2 Switch off air conditioning, move selector lever into position "P".
- 3 Run engine oil temperature to 75-85 °C.
- 4 Make air injection inoperative (refer to 07.2-100).
- 5 Remove plastic cap from throttle valve adjusting screw (8).



- 6 Unscrew bypass mixture adjusting screw (147) until max. engine speed is attained.
- 7 Adjust throttle valve adjusting screw (8) until 1000/min are attained. Push plastic cap on adjusting screw.
- 8 Set idle speed by means of bypass mixture adjusting screw (147) to 800–900/min.

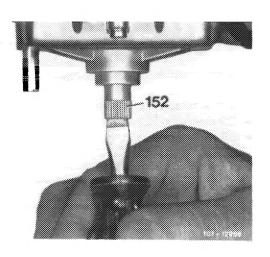


9 Screw in recirculating air adjusting screw (149) up to stop.



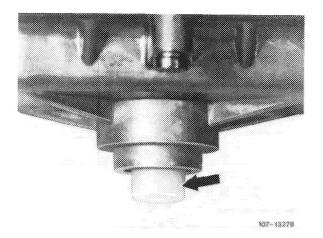
Version with altitude adjusting hand wheel

10 Remove hand wheel for altitude adjustment. Adjust fuel adjusting screw (152) until "3.5 % CO" are attaind. Set hand wheel according to respective altitude to position NORMAL or 4000 ft.

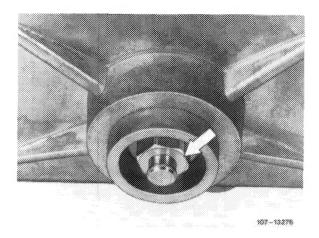


Version without altitude adjusting hand wheel

11 Remove safety cap (arrow).



12 Adjust fuel adjusting screw (arrow) until "3.5 % CO" are attained. Then mount new safety cap.



- 13 Adjust to specified idle speed CO value by means of adjusting screw (149).
- 14 Make air injection again operative.

